

Final 1998 Section 303(d) List - WRIA 27

Water Name	CLEARWATER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	SA80NM	Old Segment ID #	WA-27-2140
Stream Route #	0	Water Resource Inventory Area	27
Township	08N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	23	Grid Longitude	
Basis for Consideration of Listing	134 excursions beyond the criterion at USFS STORET station 03070501 between 7/1/87 and 7/1/91		
Remarks	The USFS data downloaded from STORET were challenged as not meeting the quality assurance criteria of the Water Quality Program policy on listing. The listed STORET contact (Margaret Connelly) was asked to verify that these criteria were met for the data used as a basis for listing. USFS did not verify that these data meet the quality assurance criteria. Therefore, these data from STORET should not be used as a basis for listing.		

Water Name	CLEARWATER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	SA80NM	Old Segment ID #	WA-27-2140
Stream Route #	0	Water Resource Inventory Area	27
Township	08N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	23	Grid Longitude	
Basis for Consideration of Listing	60 excursions beyond the criterion at USFS STORET station 03070708 between 7/1/87 and 7/1/91.		
Remarks	The USFS data downloaded from STORET were challenged as not meeting the quality assurance criteria of the Water Quality Program policy on listing. The listed STORET contact (Margaret Connelly) was asked to verify that these criteria were met for the data used as a basis for listing. USFS did not verify that these data meet the quality assurance criteria. Therefore, these data from STORET should not be used as a basis for listing.		

Water Name	COLUMBIA RIVER		
Parameter	Dioxin	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	46122A8B5
Range		Grid Latitude	46.015
Section		Grid Longitude	122.855
Basis for Consideration of Listing	EPA National Bioaccumulation Survey , excursions beyond the criterion in white sturgeon near Kalama (WA)		
Remarks	EPA established a TMDL for the Columbia River Basin on 2/25/91. U.S. District Court upheld the TMDL on 8/10/93.		

Water Name	COLUMBIA RIVER		
Parameter	PCB-1254	Mediu	Tissue
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	46122A8A5
Range		Grid Latitude	46.005
Section		Grid Longitude	122.855
Basis for Consideration of Listing	Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 75.		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	4,4'-DDE	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	46122A8A5
Range		Grid Latitude	46.005
Section		Grid Longitude	122.855
Basis for Consideration of Listing	Tetra Tech, 1993 , 2 excursions beyond the national toxics rule criterion in the edible tissues of White Sturgeon at RM 75.		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Dioxin	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	45122I7H8
Range		Grid Latitude	45.875
Section		Grid Longitude	122.785
Basis for Consideration of Listing	EPA National Bioaccumulation Survey , excursions beyond the criterion in squawfish and sucker St. Helens (OR)		
Remarks	EPA established a TMDL for the Columbia River Basin on 2/25/91. U.S. District Court upheld the TMDL on 8/10/93.		

Water Name	COLUMBIA RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	45122J8A0
Range		Grid Latitude	45.905
Section		Grid Longitude	122.805
Basis for Consideration of Listing	Fuhrer, et al. 1996. , 2 excursions beyond the criterion out of 12 samples (16%) near Columbia City		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	46122A8B5
Range		Grid Latitude	46.015
Section		Grid Longitude	122.855
Basis for Consideration of Listing	Tanner, et al. 1996. , 55 excursions beyond the criterion out of 105 samples (52%) near Kalama, WA in 1996.		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Total Dissolved Gas	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	45122J8F1
Range		Grid Latitude	45.955
Section		Grid Longitude	122.815
Basis for Consideration of Listing	37 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station KLAW in 1994 during times without approved short term modifications to the standards.;		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Total Dissolved Gas	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	46122A8B5
Range		Grid Latitude	46.015
Section		Grid Longitude	122.855
Basis for Consideration of Listing	Tanner, et al. 1996. , 38 excursions beyond the criterion set with the short term modifications to the standards out of 102 samples (37%) near Kalama, WA in 1996.;		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Bis(2-ethylhexyl) Phthalate	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> NN57SG	Old Segment ID #	<input type="text"/> WA-CR-1010
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 27
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 46122A8A5
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 46.005
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.855
Basis for Consideration of Listing	Tetra Tech, 1993 , 1 excursion beyond the national toxics rule criterion in the edible tissue of a single White Sturgeon at RM 75.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	COLUMBIA RIVER		
Parameter	Dieldrin	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> NN57SG	Old Segment ID #	<input type="text"/> WA-CR-1010
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 27
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 46122A8A5
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 46.005
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.855
Basis for Consideration of Listing	Tetra Tech, 1993 , 3 excursions beyond the national toxics rule criterion in the edible tissue of a individual White Sturgeon at RM 75.		
Remarks	<input type="text"/>		

Water Name	COLUMBIA RIVER		
Parameter	Arsenic	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1010
Stream Route #		Water Resource Inventory Area	27
Township		Waterbody Grid #	45122J8A0
Range		Grid Latitude	45.905
Section		Grid Longitude	122.805
Basis for Consideration of Listing	Fuhrer, et al. 1996. , 4 excursions beyond the National Toxic Rule criterion near Columbia City		
Remarks	There is significant uncertainty regarding the accuracy of the current arsenic criteria for human health. Even EPA is reluctant to impose the criteria (62 FR 42179, August 5, 1997) that they promulgated on Washington State through the national toxic rule. Ecology is currently considering revising the arsenic standard.		

Water Name	HATCHERY (FALLERT) CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	FX65ID	Old Segment ID #	WA-27-1012
Stream Route #		Water Resource Inventory Area	27
Township	07N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Washington Dept. of Fish and Wildlife data show numerous excursions beyond the criterion at the inflow to the Lower Kalama Hatchery.		
Remarks	In the 1996 list, this information was shown under old segment WA-27-1010 in error. The Hatchery is on old segment WA-27-1012.		

Water Name	HORSESHOE LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	345FXM	Old Segment ID #	WA-27-9010
Stream Route #		Water Resource Inventory Area	27
Township	05N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	39	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I State Clean Lakes Restoration Project in 1993: Welch, et al. 1992.		
Remarks	Active Phase II State Clean Lakes Restoration Project: Implementation of control methods based on the Phase I Study underway. Implementation of control measures will be required toe completed by June 1999 under the conditions of the grant. Monitoring is being conducted under Ecology's Lake Water Quality Assessment Program. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR130.7(b)(1)(iii).		

Water Name	KALAMA RIVER		
Parameter	pH	Mediu	Water
Place on 1998 List?	No	Listed in 1996	Yes
		Action Needed	None
New Segment ID #	QB31IV	Old Segment ID #	WA-27-1010
Stream Route #	4.11	Water Resource Inventory Area	27
Township	07N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	0 excursions beyond the criterion out of 12 samples (0%) at Ecology ambient monitoring station 27B070 between 9/94 and 9/95. Listed in 1996 based on 3 excursions beyond the criterion at Ecology ambient monitoringstation 27B070 on 7/28/87, 4/24/90, and 8/28/90.		
Remarks	The segment now meets water quality standards for pH.		

Water Name	KALAMA RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	QB31IV	Old Segment ID #	WA-27-1010
Stream Route #	4.11	Water Resource Inventory Area	27
Township	07N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion out of 12 samples (17%) at Ecology ambient monitoring station 27B070 (RM 2.8) between 9/91 and 9/96.		
Remarks			

Water Name	LEWIS RIVER, E.F.		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2030
Stream Route #	37.736	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 6 excursions beyond the criterion at the Moulton Falls station in 1991 and 1992.		
Remarks			

Water Name	LEWIS RIVER, E.F.		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2020
Stream Route #	15.026	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion out of 12 samples (17%) at Ecology ambient monitoring station 27D090 (RM 10.2) between 9/91 and 9/96.;		
Remarks			

Water Name	LEWIS RIVER, E.F.		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2020
Stream Route #	3.951	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 5 excursions beyond the criterion at the Pollack Road station in 1991 and 1992.		
Remarks			

Water Name	LEWIS RIVER, E.F.		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2020
Stream Route #	3.951	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) show 5 excursions beyond the criterion at the Pollack Road station on 7/8/91, 8/5/91, 10/1/91, 7/6/92 and 8/3/92.		
Remarks			

Water Name	LEWIS RIVER, E.F.		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2020
Stream Route #	15.026	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	<p>0 excursions beyond the criterion out of 12 samples (0%) at Ecology ambient monitoring station 27D090 between 9/94 and 9/95.</p> <p>Listed in 1996 based on 2 excursions beyond the criterion at Ecology ambient monitoringstation 27D090 in 8/88 and 10/89.</p>		
Remarks	The segment now meets water quality standards for fecal coliform.		

Water Name	LEWIS RIVER, E.F.		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EI60MF	Old Segment ID #	WA-27-2020
Stream Route #	15.026	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) show 4 excursions beyond the criterion at the Daybreak Park station on 7/8/91, 8/5/91, 7/6/92, and 8/3/92		
Remarks			

Water Name	LOCKWOOD CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	YD45JI	Old Segment ID #	WA-27-2024
Stream Route #	1.579	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	01	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 1 excursion beyond the criterion at the Lockwood Creek Road station on 8/3/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	LOCKWOOD CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	YD45JI	Old Segment ID #	WA-27-2024
Stream Route #	1.579	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	01	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 9 excursions beyond the criterion at the Lockwood Creek Road station in 1991 and 1992.		
Remarks			

Water Name	McCORMICK CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF76XA	Old Segment ID #	WA-27-2022
Stream Route #	1.841	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	09	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 12 excursions beyond the criterion at the NW LaCenter Road station in 1991 and 1992.		
Remarks			

Water Name	McCORMICK CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF76XA	Old Segment ID #	WA-27-2022
Stream Route #	1.841	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	09	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 2 excursions beyond the criterion at the NW LaCenter Road station on 8/5/91 and 8/3/92.		
Remarks			

Water Name	MUDDY RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	GU87UX	Old Segment ID #	WA-27-2100
Stream Route #	2.334	Water Resource Inventory Area	27
Township	07N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	131 excursions beyond the criterion at USFS STORET station 03070500 between 7/1/87 and 7/1/91		
Remarks	The USFS data downloaded from STORET were challenged as not meeting the quality assurance criteria of the Water Quality Program policy on listing. The listed STORET contact (Margaret Connelly) was asked to verify that these criteria were met for the data used as a basis for listing. USFS did not verify that these data meet the quality assurance criteria. Therefore, these data from STORET should not be used as a basis for listing.		

Water Name	ROCK CREEK (NORTH)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	XD64JB	Old Segment ID #	WA-27-2026
Stream Route #	2.821	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 11 excursions beyond the criterion at the NE Rock Creek Road station in 1991 and 1992.		
Remarks			

Water Name	ROCK CREEK (SOUTH)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MI81KO	Old Segment ID #	WA-27-2034
Stream Route #	5.448	Water Resource Inventory Area	27
Township	03N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	05	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 7 excursions beyond the criterion at the Dole Valley Road station in 1991 and 1992.		
Remarks			

Water Name	YACOLT CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed TMDL
New Segment ID #	KS71ST	Old Segment ID #	WA-27-2032
Stream Route #	0.04	Water Resource Inventory Area	27
Township	04N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	12	Grid Longitude	
Basis for Consideration of Listing	Hutton (1994) shows 8 excursions beyond the criterion at the NE Railroad Ave station in 1991 and 1992.		
Remarks			